BAYESICS

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Abstract

I will give a basic overview of Bayesian methodology, from its axiomatic foundation through the conventional development of data analysis and model selection to its role in quantum mechanics, and ending with some comments on inference in general human affairs. The central theme is that probability calculus is the unique language within which we can develop models of our surroundings that have predictive power. These models are patterns of belief; there is no need to claim external reality.